

Title (en)
INTEGRATED CIRCUIT PROBE SYSTEM

Publication
EP 0259162 A3 19881221 (EN)

Application
EP 87307785 A 19870903

Priority
US 90414586 A 19860905

Abstract (en)
[origin: EP0259162A2] The interface between an integrated circuit probing element and associated test equipment is provided by flexible ribbon cables that include a plurality of transmission lines. The cables are not an integral part of the probe housing, so their lengths can be selected independently of housing size constraints and can be chosen instead to optimize probe performance. The ribbon cable construction eliminates the many transmission line transitions found in conventional probing systems, thereby increasing probe bandwidth. The ribbon cable can be formed for direct connection to associated test equipment to eliminate all transmission line transitions.

IPC 1-7
G01R 1/073

IPC 8 full level
H01L 21/66 (2006.01); **G01R 1/073** (2006.01); **G01R 31/26** (2006.01); **H05K 13/08** (2006.01)

CPC (source: EP KR)
G01R 1/067 (2013.01 - KR); **G01R 1/073** (2013.01 - EP); **G01R 31/26** (2013.01 - KR); **H01L 22/00** (2013.01 - KR)

Citation (search report)
• [X] US 4065717 A 19771227 - KATTNER LIONEL E, et al
• [Y] US 4593243 A 19860603 - LAO BINNEG Y [US], et al
• [Y] US 4554505 A 19851119 - ZACHRY CLYDE L [US]
• [A] EP 0013335 A1 19800723 - VDO SCHINDLING [DE]
• [A] US 3905098 A 19750916 - GARRETSON OLIVER R, et al
• [A] FR 2241888 A1 19750321 - MECANIQUE IND INT [LU]

Cited by
US4998062A; US5091694A; EP0343021A1; US5103557A; EP0654672A3; US5629137A; US5654127A; US5725995A; US6911835B2; US7616016B2; WO03100446A3; WO9112706A1; US6838896B2; US6891387B2; US6965244B2; US7227371B2; US7443181B2; US7764075B2; US8614590B2

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0259162 A2 19880309; EP 0259162 A3 19881221; JP S6365638 A 19880324; KR 880004322 A 19880603

DOCDB simple family (application)
EP 87307785 A 19870903; JP 22179387 A 19870904; KR 870009430 A 19870828